

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	(smoothing polishing) with oxidation near resista\$5 same laser	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:18
L2	8	smoothing with oxidation near resista\$5	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:19
L3	0	polishing with oxidation near resista\$5 same laser	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:19
L4	116	polishing with oxidation near resista\$5	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:19
L5	124	2 4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:19
L6	0	5 and melt\$4 near4 surface	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:20
L7	0	5 and laser with \$3melt\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:20
L8	3	5 and \$3melt\$4 with surface	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:20
L9	4197	laser with surface near2 (polish\$5 smooth\$5)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:25

L10	369	laser with surface near2 treat\$5 and treat\$5 near5 (smooth\$5 polish\$5)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:25
L11	4474	9 10	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:26
L12	271	11 and surface near3 (tool mold mould)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:27
L13	34	12 and laser near5 \$4melt \$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:27
L14	3	13 and \$4melt\$4 near5 (deep\$4 depth)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:31
L15	0	("2006/0081573").URPN.	USPAT	OR	ON	2008/12/15 11:33
L16	2	"20060081573"	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:36
L17	1	16 and surface same material	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:37
L18	1300	(metal\$4 steel titanium plastic nonmetal\$4 non? metal\$4) with laser with (smooth\$4 polish\$4)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:40
L19	3	18 and laser with \$4melt \$4 and (micro?rough\$7 microrough\$7)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:41

L20	63	18 and laser with \$4melt \$4 and surface near2 rough\$7	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:44
L21	2	18 and laser with \$4melt \$4 with micron	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:47
L22	5	18 and \$4melt\$4 with micron	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:47
L23	1	("4122240").PN.	USPAT; USOCR	OR	OFF	2008/12/15 11:48
L24	1	23 and (deep\$4 depth)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:52
L25	0	23 and repeat\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:53
L26	0	23 and \$4melt\$4 with (multiple plural\$5)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:53
L27	0	23 and (multiple plural\$5)	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:53
L28	1	23 and \$4melt\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 11:54
L29	2	16 and laser	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:04

L30	42	20 and (nd yag co co2 diode) with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:06
L31	42	30 and (melt\$4 ablat\$4 evaporat\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:08
L32	42	30 and (melt\$4 ablat\$4 evaporat\$4) with laser	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:08
L33	30	30 and (melt\$4 ablat\$4 evaporat\$4) with laser same (smooth\$4 polish\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:09
L34	2	16 and structur\$4 near3 depth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:15
L35	1	16 and first near3 depth	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:16
L36	13	18 and laser with \$4melt \$4 and surface near2 rough\$7 and melt\$4 with (deep\$4 depth)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:36
L37	0	18 and laser with \$4melt \$4 and surface near2 rough\$7 and melt\$4 with (deep\$4 depth) with (micron mil millimet\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:36
L38	4	18 and laser with \$4melt \$4 and surface near2 rough\$7 and melt\$4 with (deep\$4 depth) and (melt \$4 depth deep\$4) with (micron mil millimet\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:37
L39	1	23 and mil	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:46

L40	0	23 and melt\$4 with micron	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:52
L41	5	18 and melt\$4 with micron	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:52
L42	18	18 and preheat\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 12:53
L43	82	("3856513"   "3871836"   "3926682"   "4000011"). PN. OR ("4122240"). URPN.	US_PGPUB; USPAT; USOCR	OR	ON	2008/12/15 12:55
L44	10	43 and preheat\$4	US_PGPUB; USPAT; USOCR	OR	ON	2008/12/15 12:55
L45	7	43 and pulse with duration	US_PGPUB; USPAT; USOCR	OR	ON	2008/12/15 12:58
L46	5	((("5232674") or (("4229232") or (("4122240") or (("4968383") or (("6670575"))).PN.	USPAT; USOCR	OR	OFF	2008/12/15 13:02
L47	4	46 and (pulse\$2 continuous) with laser	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 13:06
L48	0	46 and preheat\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 13:14
L49	4	46 and heat\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 13:14
L50	3	20 and preheat\$4	US_PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/12/15 13:17
L51	10	43 and preheat\$4	US_PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:18

L52	3	46 and gas	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:22
L53	17	43 and (line rectang\$5) near5 beam	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:29
L54	0	46 and (line rectang\$5) near5 beam	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:29
L55	0	46 and selectiv\$7	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:40
L56	12	20 and selectiv\$7	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:40
L57	1	20 and selectiv\$7 with \$4melt\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:41
L58	10	18 and selectiv\$7 with \$4melt\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:41
L59	218	laser with selectiv\$7 near \$4melt\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:42
L60	195	laser with selectiv\$7 adj \$4melt\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:43
L61	0	laser with selectiv\$7 adj \$4melt\$4 with retain\$4 with structure	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:43
L62	1	laser with selectiv\$7 adj \$4melt\$4 with retain\$4	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:43
L63	0	laser with remelt\$4 adj4 (multiple plural\$4) adj time	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:49
L64	4	laser with melt\$4 adj4 (multiple plural\$4) adj time	US-PGPUB; USPAT; USOCR	OR	ON	2008/12/15 13:50

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